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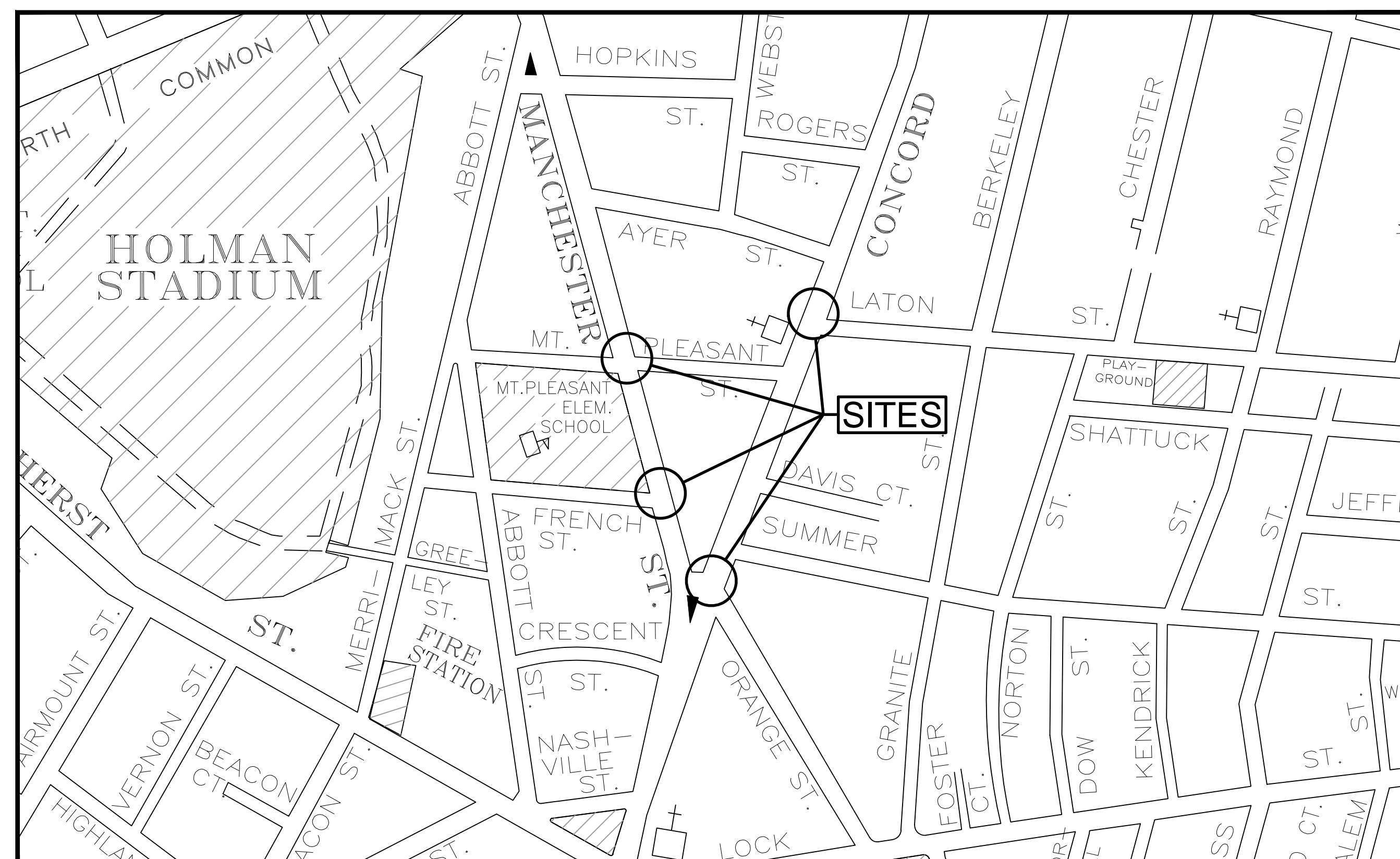
STEPHEN DOOKRAN, P.E.



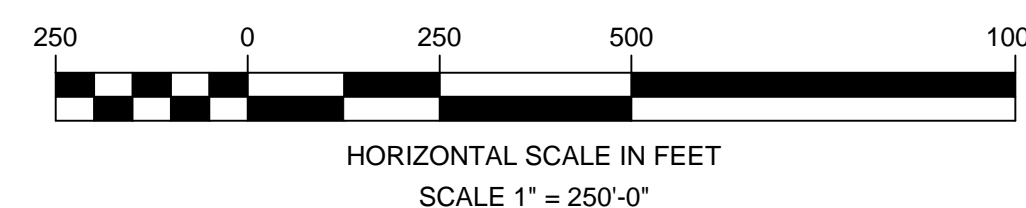
CITY OF NASHUA, NEW HAMPSHIRE

COMMUNITY DEVELOPMENT BLOCK GRANT MANCHESTER & CONCORD STREET CROSSWALK IMPROVEMENTS

JULY 2014



OVERVIEW PLAN



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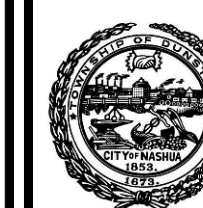
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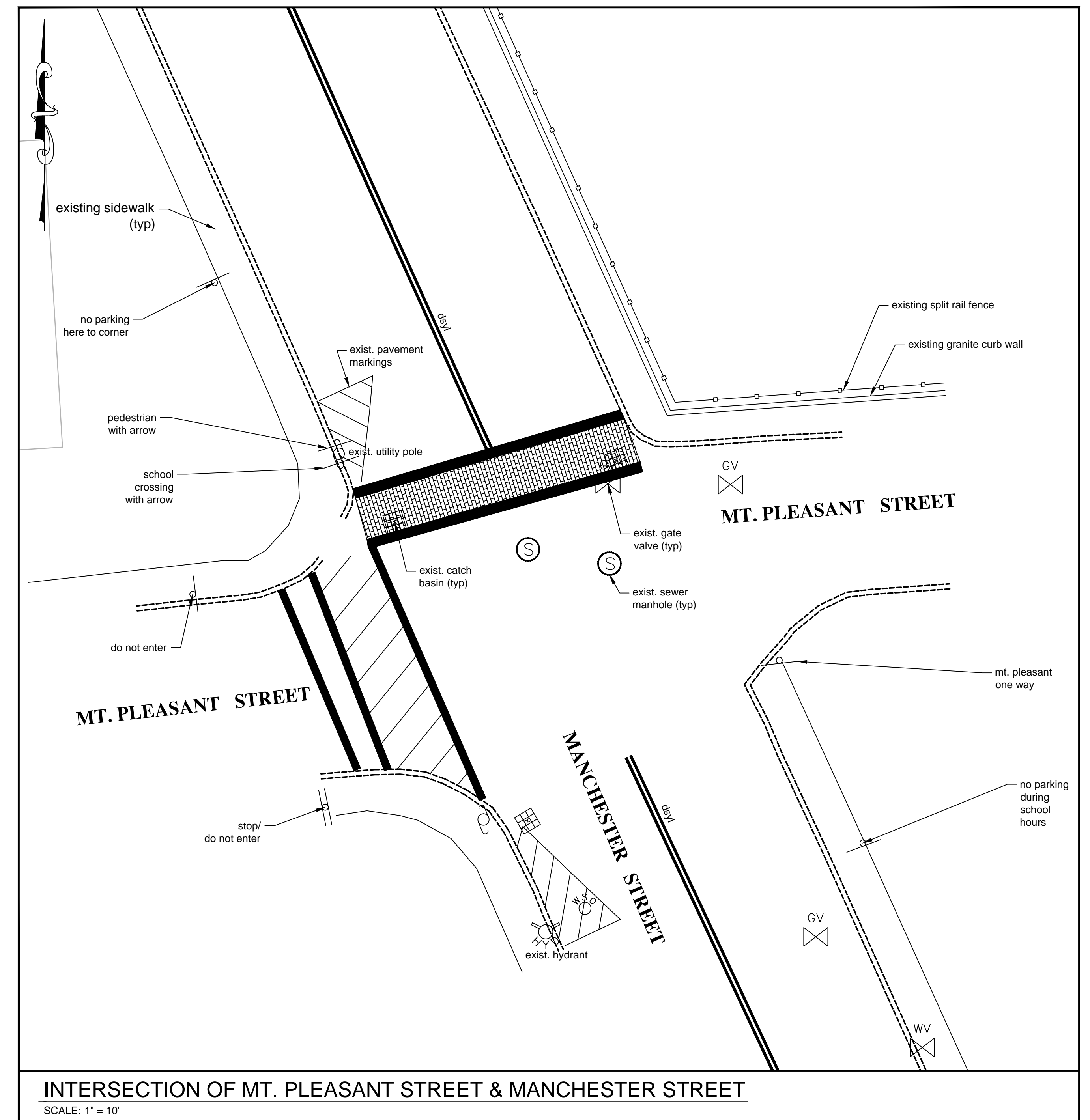
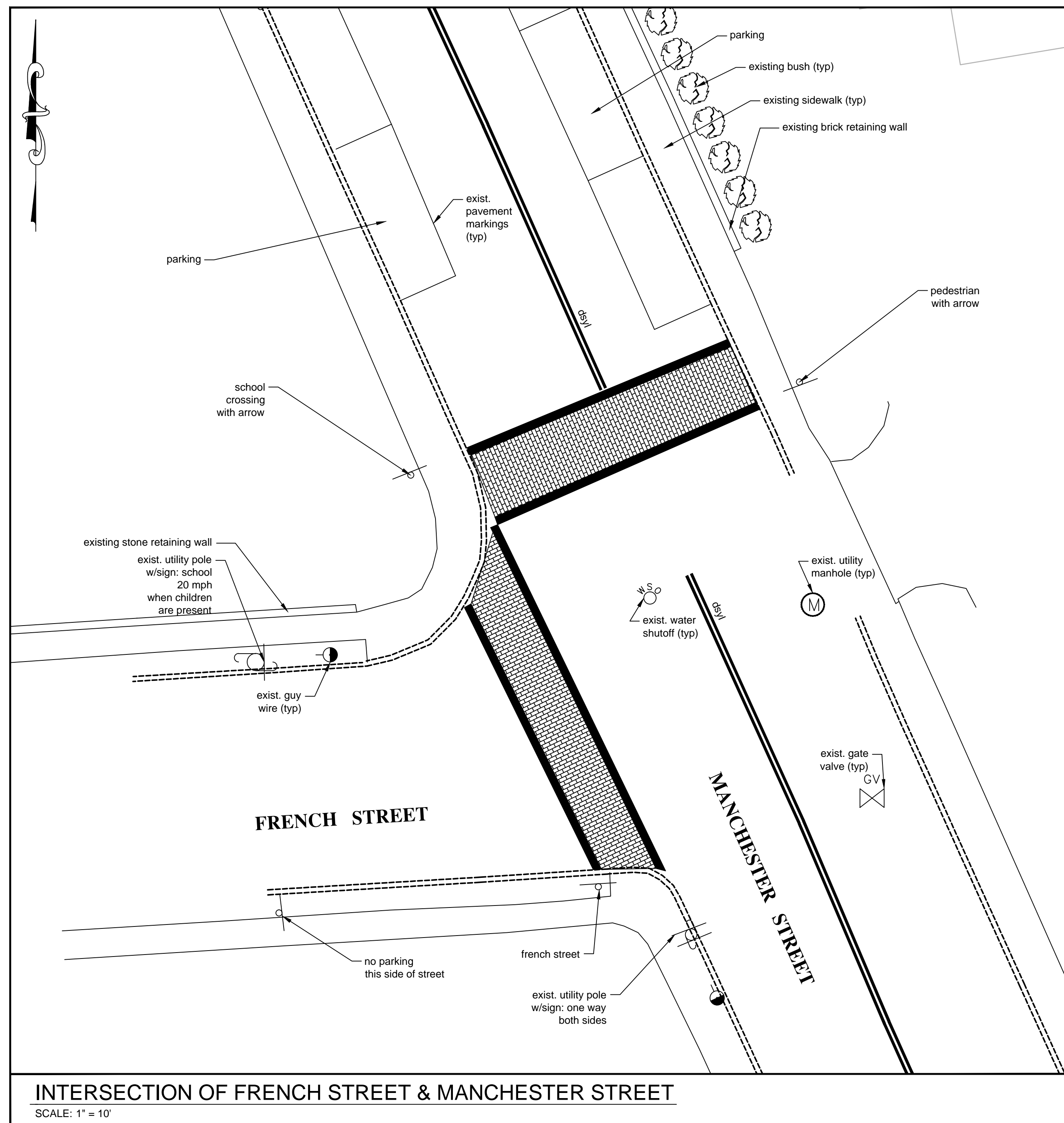
INTERSECTION IMPROVEMENTS OF FRENCH STREET AT MANCHESTER STREET, MT. PLEASANT STREET AT MANCHESTER STREET, ORANGE STREET AT CONCORD STREET AND LATON STREET AT CONCORD STREET TO INCREASE SAFETY FOR THE PEDESTRIAN CROSSINGS AT THESE HEAVILY TRAVELED INTERSECTION LOCATED NEAR MT. PLEASANT ELEMENTARY SCHOOL.

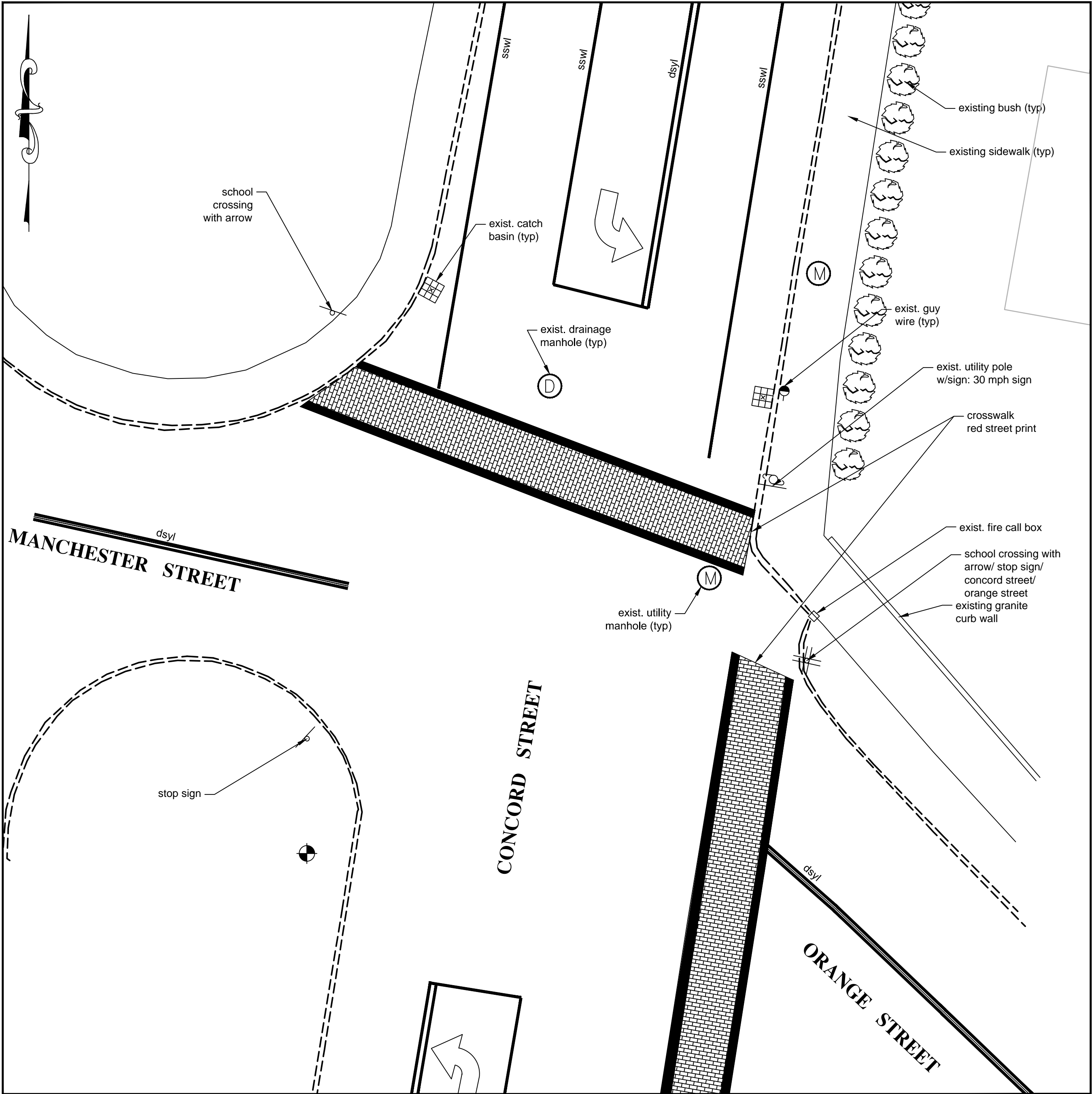
PREPARED BY:

CITY OF NASHUA NEW HAMPSHIRE



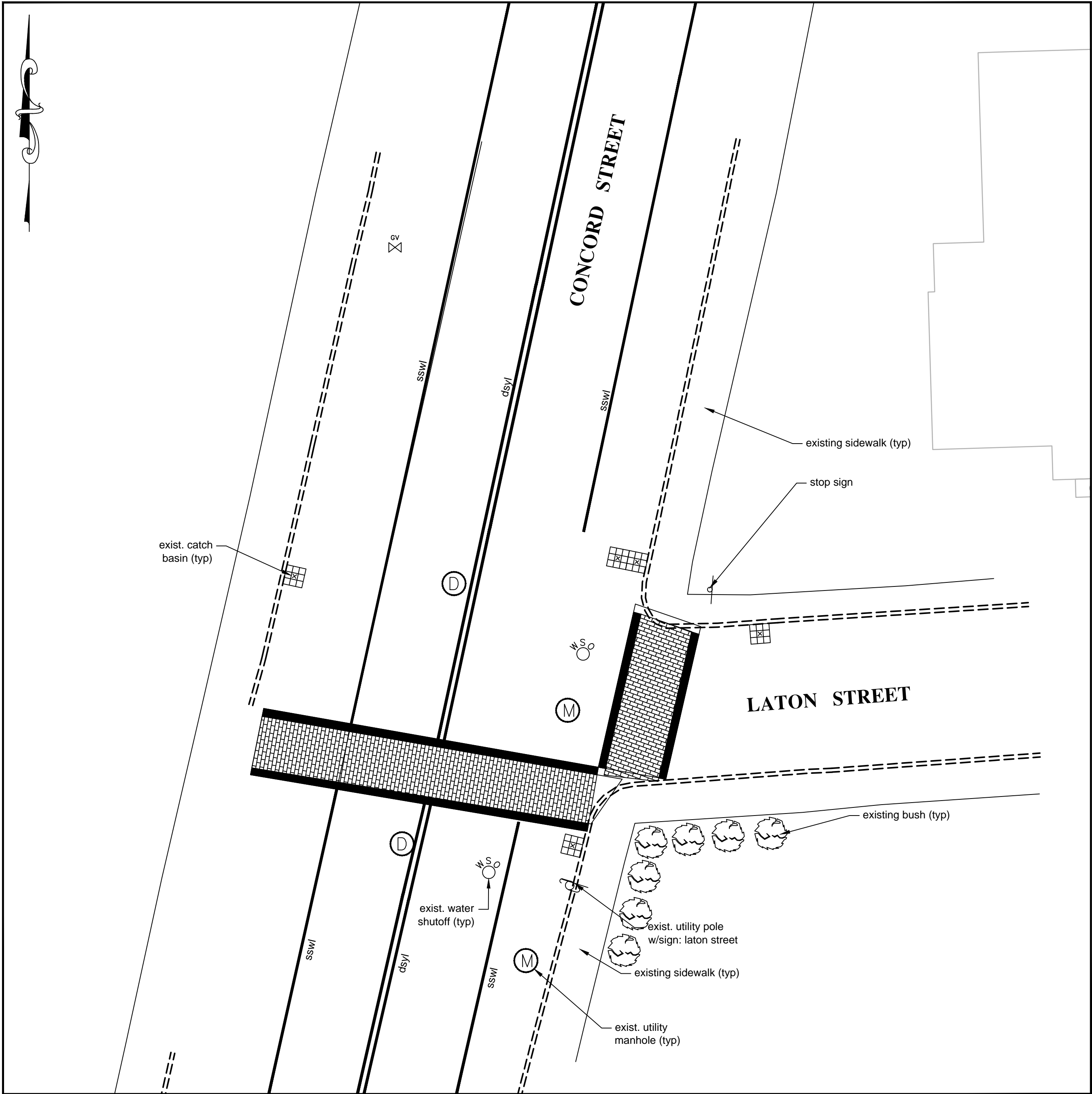
CITY ENGINEER'S OFFICE
9 RIVERSIDE STREET
NASHUA, NEW HAMPSHIRE 03062





INTERSECTION OF ORANGE STREET, MANCHESTER STREET & CONCORD STREET

SCALE: 1" = 10'



INTERSECTION OF LATON STREET & CONCORD STREET

SCALE: 1" = 10'

NOTES:

1. THIS PLAN WAS COMPILED USING FIELD SURVEY OF THE SITE PERFORMED BY CITY OF NASHUA IN 2014.
2. PROJECT CONSTRUCTION NOT GOVERNED BY THE CITY OF NASHUA STANDARD SPECIFICATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS DATED 2010, CURRENT "STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION" AND SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS
3. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATIONS AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. DAMAGE CAUSED BY THE CONTRACTOR'S OPERATION WILL BE PROMPTLY REPAIRED WITH ALL ADDITIONAL COST BORNE BY THE CONTRACTOR AND THE SATISFACTION OF THE CITY AND ENGINEER.
4. LOCATION AND SIZE OF EXISTING PIPES AND OTHER UNDERGROUND UTILITIES ARE NOT WARRANTED TO BE EXACT OR COMPLETE.
5. THE CITY OF NASHUA (PUBLIC WORKS/TRAFFIC/POLICE) SHALL BE NOTIFIED PRIOR TO ANY WORK REQUIRING

- TRAFFIC IMPEDANCE, ROADWAY, SEWER OR DRAINAGE STRUCTURE DISTURBANCE. CONSTRUCTION MAY ONLY BEGIN AFTER AUTHORIZATION FROM THE APPROPRIATE CITY DEPARTMENT.
6. THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION IF THERE ARE ANY DISCREPANCIES IN PLANS OR EXISTING DATA. CONSTRUCTION SHALL NOT PROCEED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
 7. ALL EROSION CONTROL FACILITIES SHALL BE MAINTAINED AS OFTEN AS REQUIRED BY WEATHER CONDITIONS.
 8. THE CONTRACTOR MUST CONTACT DIG SAFE AT 1-888-344-7233 AT LEAST THREE WORKING DAYS (72 HRS) PRIOR TO COMMENCEMENT OF CONSTRUCTION. COORDINATE WITH CITY OF NASHUA PUBLIC WORKS PERSONNEL FOR ADDITIONAL DIG SAFE REQUIREMENTS.
 9. STREET RESTORATION IN ACCORDANCE WITH NRO 285-13.



CITY OF NASHUA NEW HAMPSHIRE
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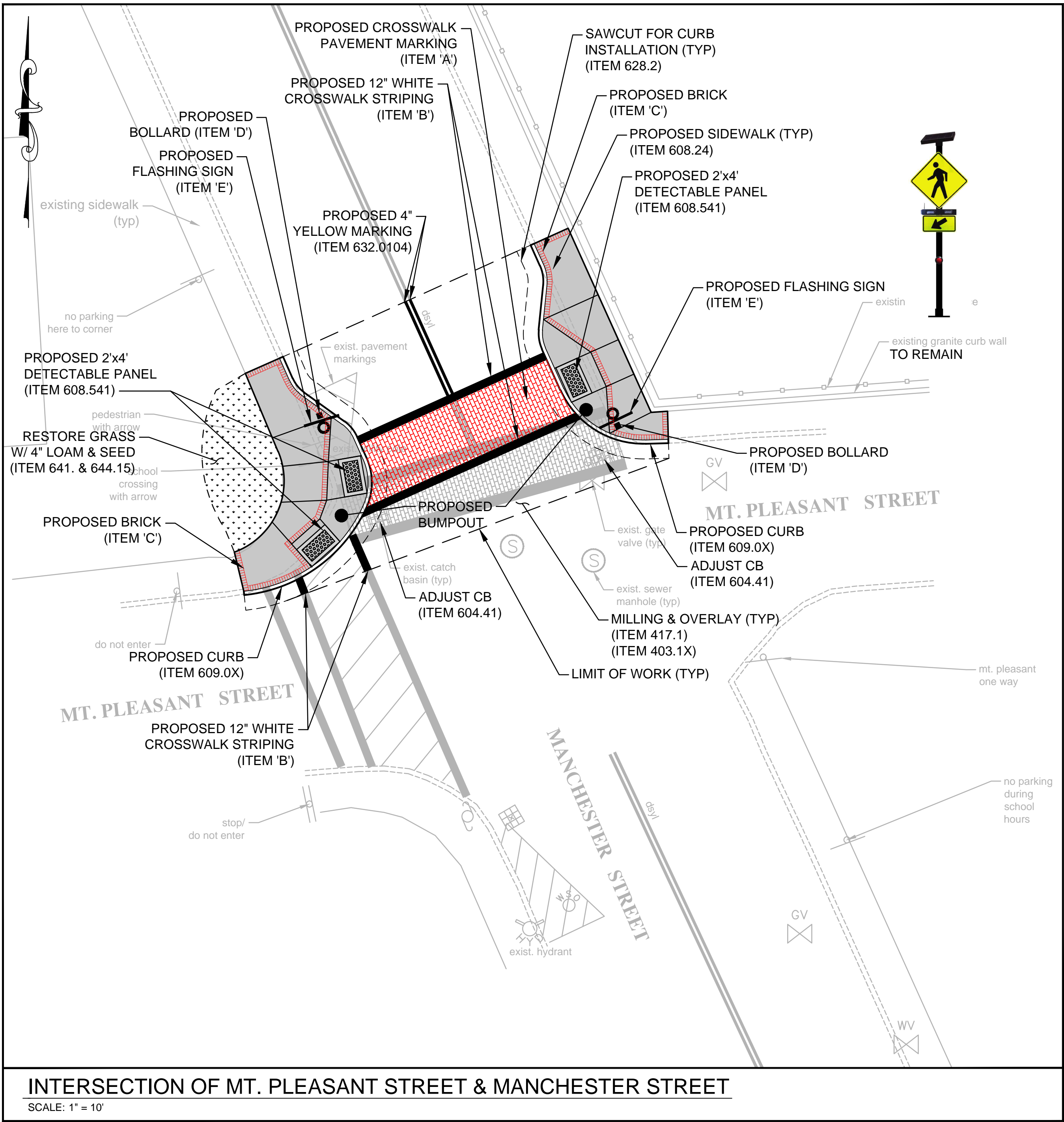
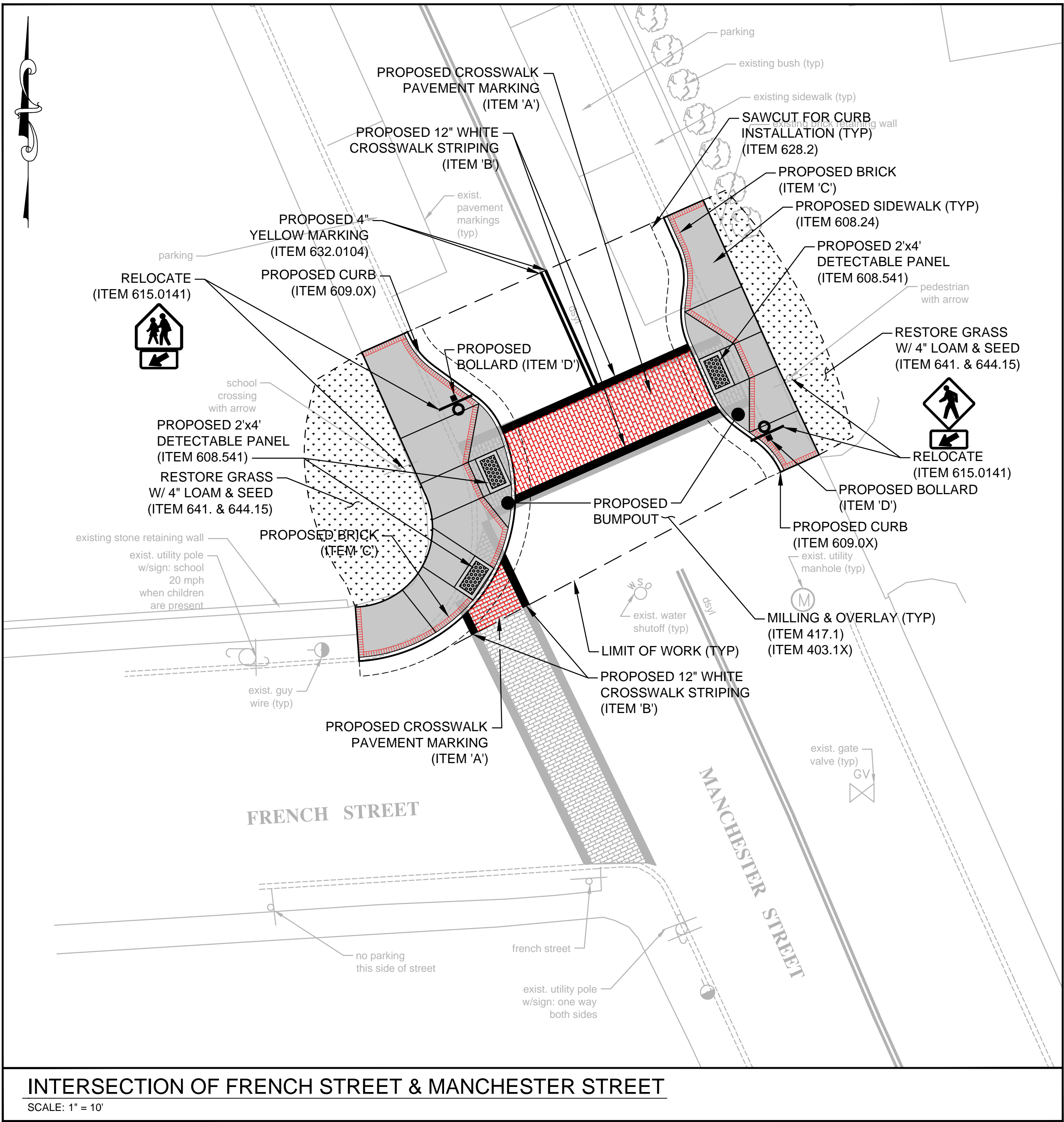
NO.	REVISION DESCRIPTION	DATE



DRAWN BY:	DESIGNED BY:	REVIEWED BY:
T. WATSON	T. WATSON	E. DHIMA

NASHUA, NEW HAMPSHIRE
PLAN OF
MANCHESTER & CONCORD STREET
INTERSECTION IMPROVEMENTS
EXISTING CONDITIONS PLAN
DATE: JULY 2014

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NOTES:

1. SITE IMPROVEMENTS SHALL CONFORM TO TITLE III OF THE AMERICANS WITH DISABILITIES ACT.
2. IT SHALL BE UNLAWFUL TO MODIFY, CHANGE OR ALTER ANY STRUCTURE SHOWN ON THIS PLAN IN ANY WAY WHATSOEVER, OR CONVERT OR ALTER ANY STRUCTURE WITHOUT RECEIVING APPROVAL FROM THE CITY.
3. CONTRACTOR SHALL TRANSPORT ALL EXCESSIVE MATERIAL TO THE CITY OF NASHUA LANDFILL.
4. CONTRACTOR SHALL COORDINATE WITH THE NASHUA STREET DEPARTMENT TO TRANSPORT CURBING TO THE STREET DEPARTMENT FACILITY LOCATED AT 9 STADIUM DRIVE.
5. 1/2 x 4" JOINT EXPANSION SHALL BE USED AT THE CONSTRUCTION JOINT (SUB TO 608.24).
6. CONTRACTOR SHALL INSTALL PINE HALL BRICK 2 1/4" x 4" x 8" ENGLISH EDGE SERIES FULL RANGE. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
7. PIPE WORK WITHIN CITY'S R.O.W MUST BE DONE BY A CURRENT LICENSED DRAIN LAYER.
8. ALL PIPE WORK, STRUCTURES AND SIDEWALK SHALL BE INSTALLED PER CITY OF NASHUA SEWER, DRAINAGE AND ROADWAY REQUIREMENTS.
9. STAGING AREA TO BE COORDINATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION AND APPROVED BY THE CITY.
10. GRADING AND CURB REVEAL TO BE DETERMINED & APPROVED PRIOR TO CURB INSTALLATION.



CITY OF NASHUA NEW HAMPSHIRE
CITY ENGINEER'S OFFICE
9 RIVERSIDE STREET
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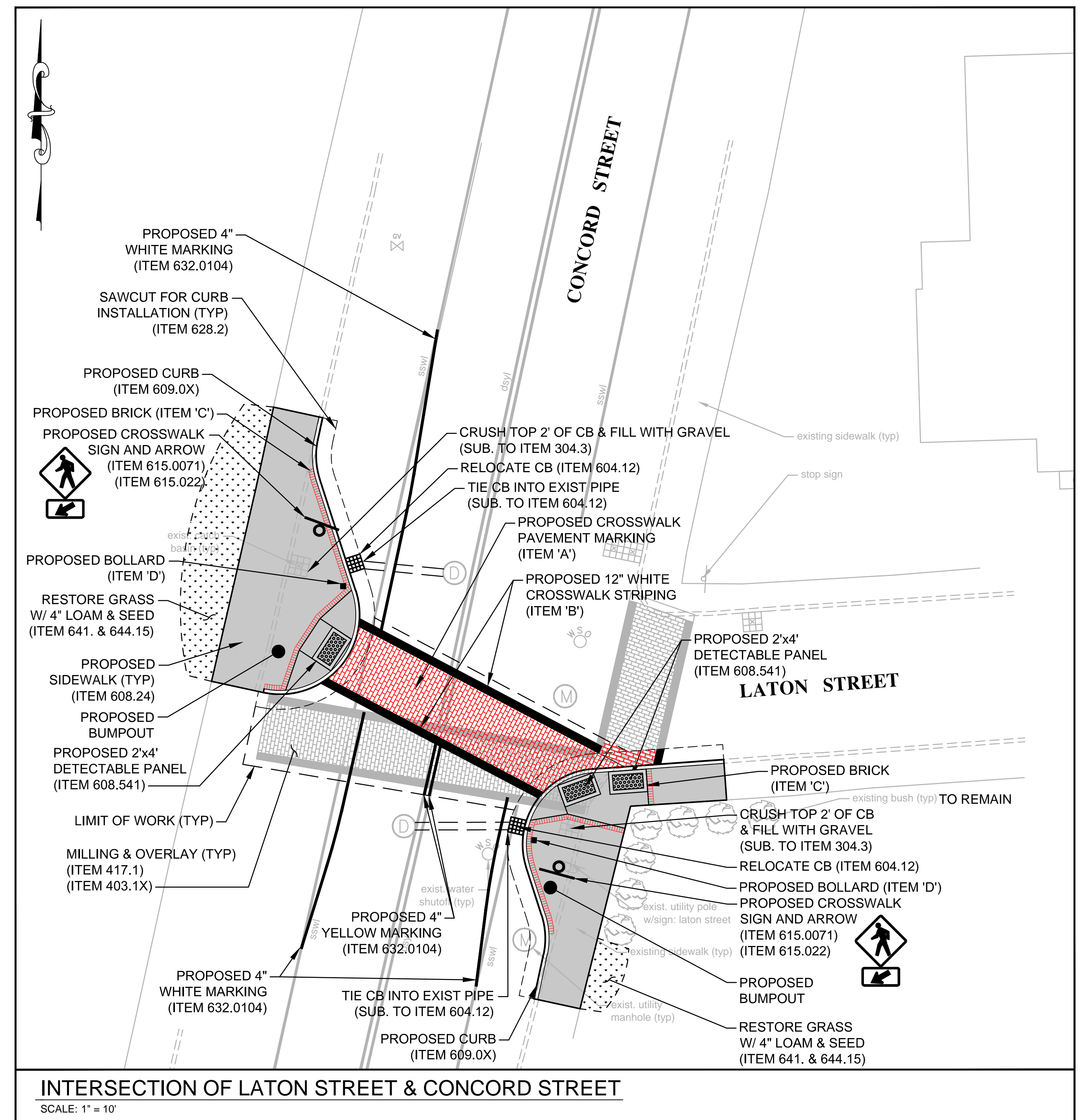
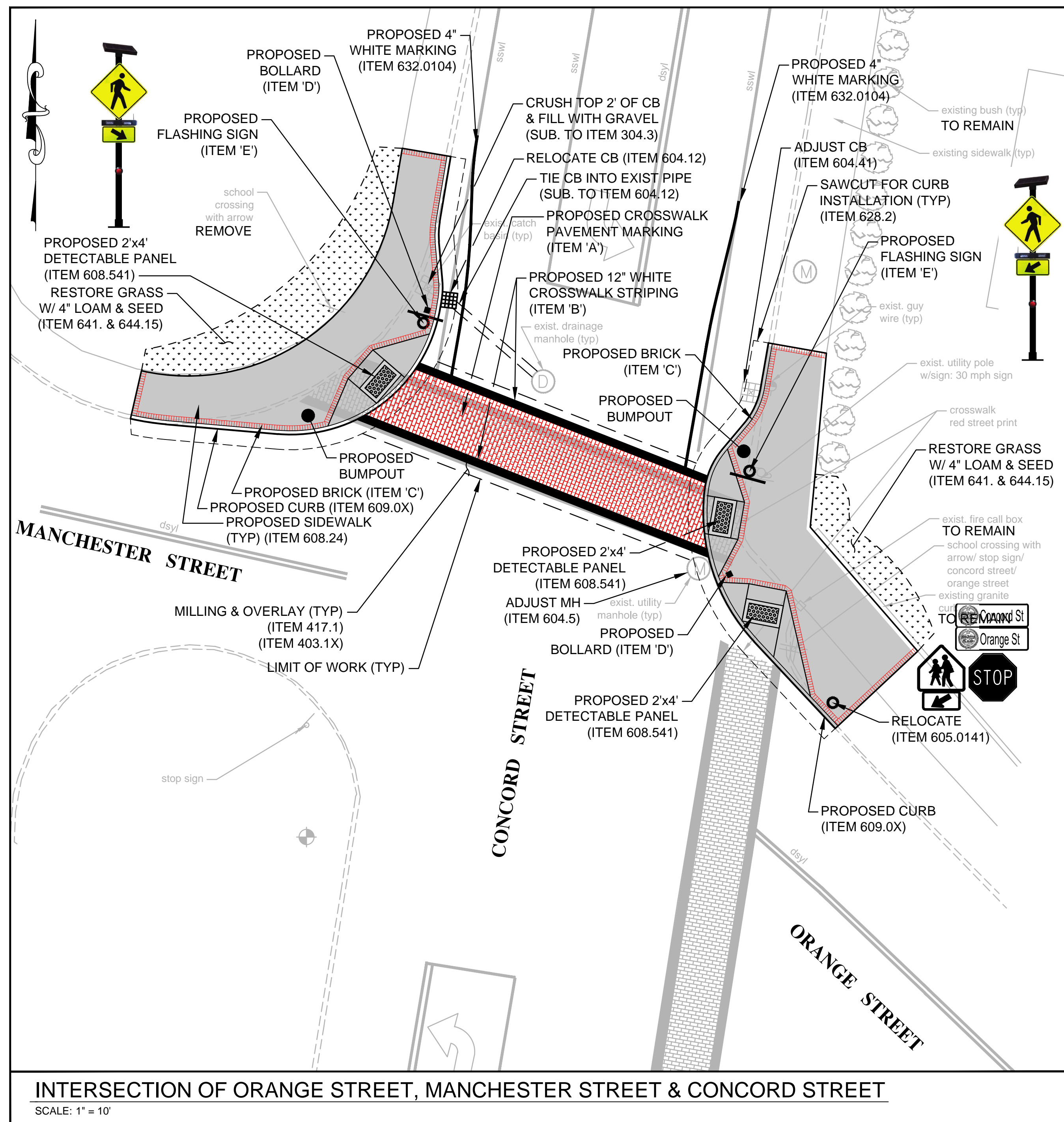
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T. WATSON	T. WATSON	E. DHIMA

NASHUA, NEW HAMPSHIRE
PLAN OF
MANCHESTER & CONCORD STREET
INTERSECTION IMPROVEMENTS
PROPSD WORK
DATE: JULY 2014

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NOTES:

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| 4. | CONTRACTOR SHALL COORDINATE WITH THE NASHUA STREET DEPARTMENT TO TRANSPORT CURBING TO THE STREET DEPARTMENT FACILITY LOCATED AT 9 STADIUM DRIVE. | 10. | GRADING AND CURB REVEAL TO BE DETERMINED & APPROVED PRIOR TO CURB INSTALLATION. |
| 5. | 1/2 x 4" JOINT EXPANSION SHALL BE USED AT THE CONSTRUCTION JOINT (SUB TO 608.24). | | |
| 6. | CONTRACTOR SHALL INSTALL PINE HALL BRICK 2 1/4" x 4" x 8" ENGLISH EDGE SERIES FULL RANGE. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION. | | |



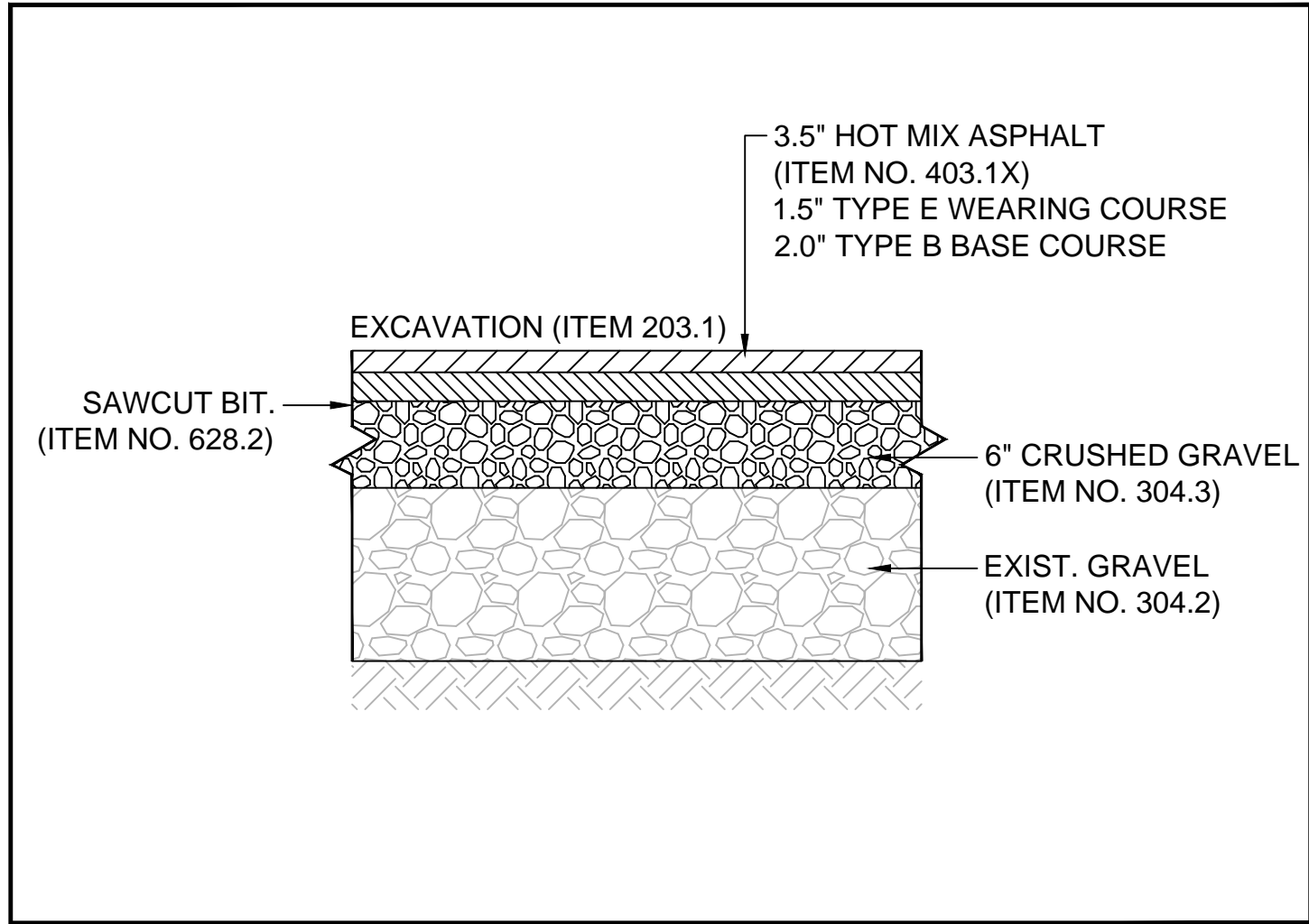
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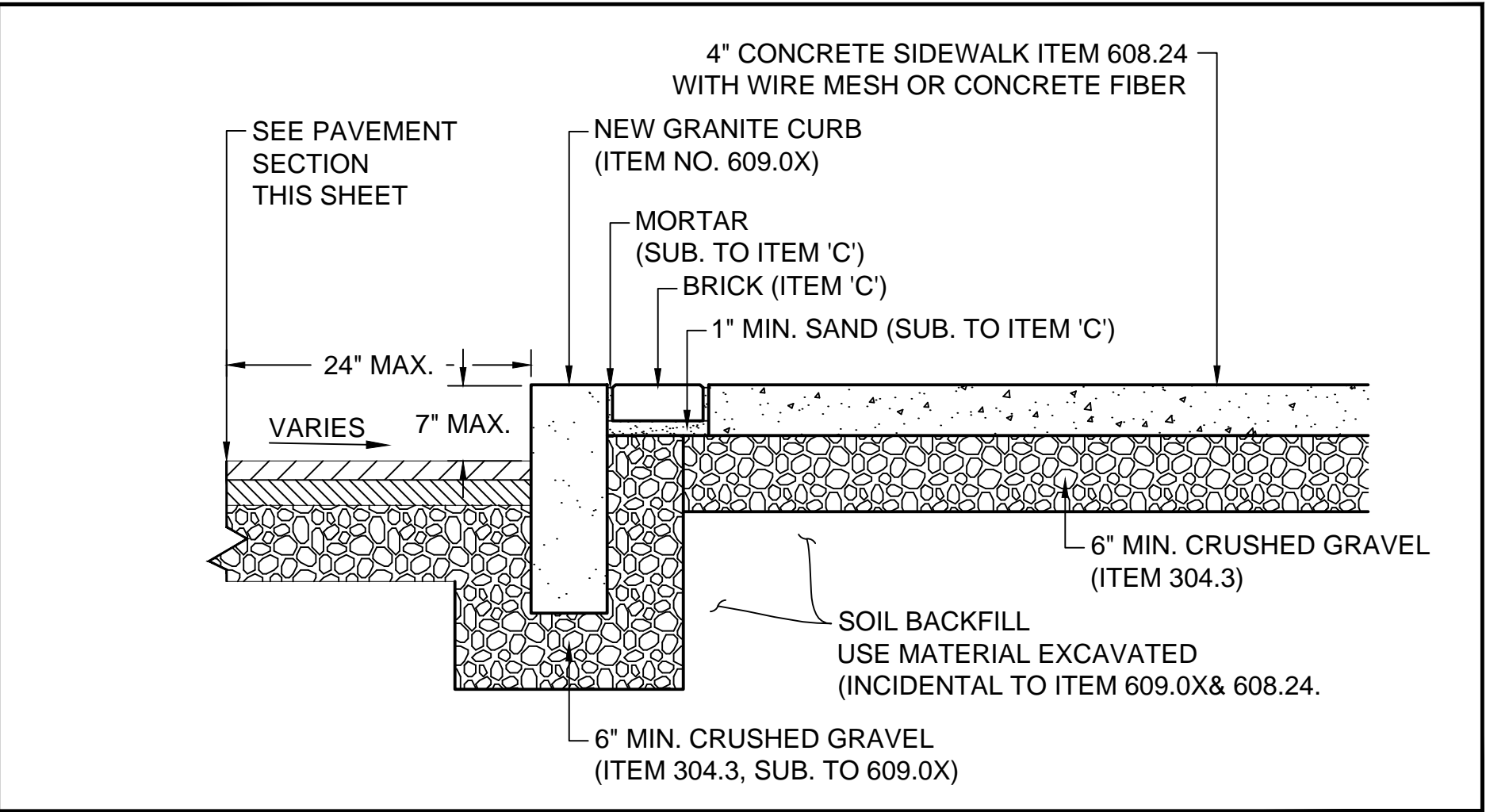
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NASHUA, NEW HAMPSHIRE
PLAN OF
MANCHESTER & CONCORD STREET
INTERSECTION IMPROVEMENTS
PROPOSED WORK
DATE: JULY 2014

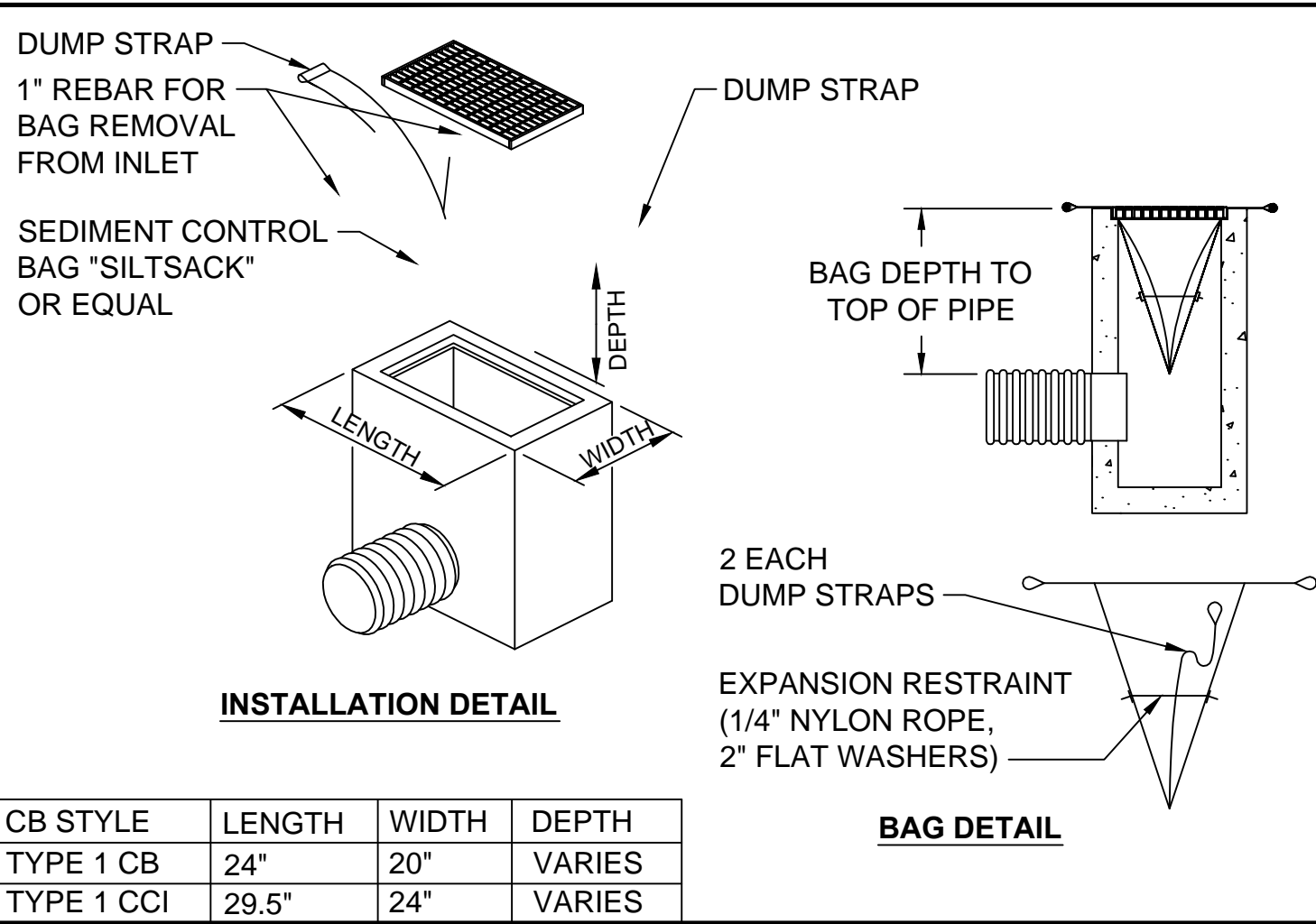
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TYPICAL PAVEMENT SECTION
SCALE: 1" = 1'-0"

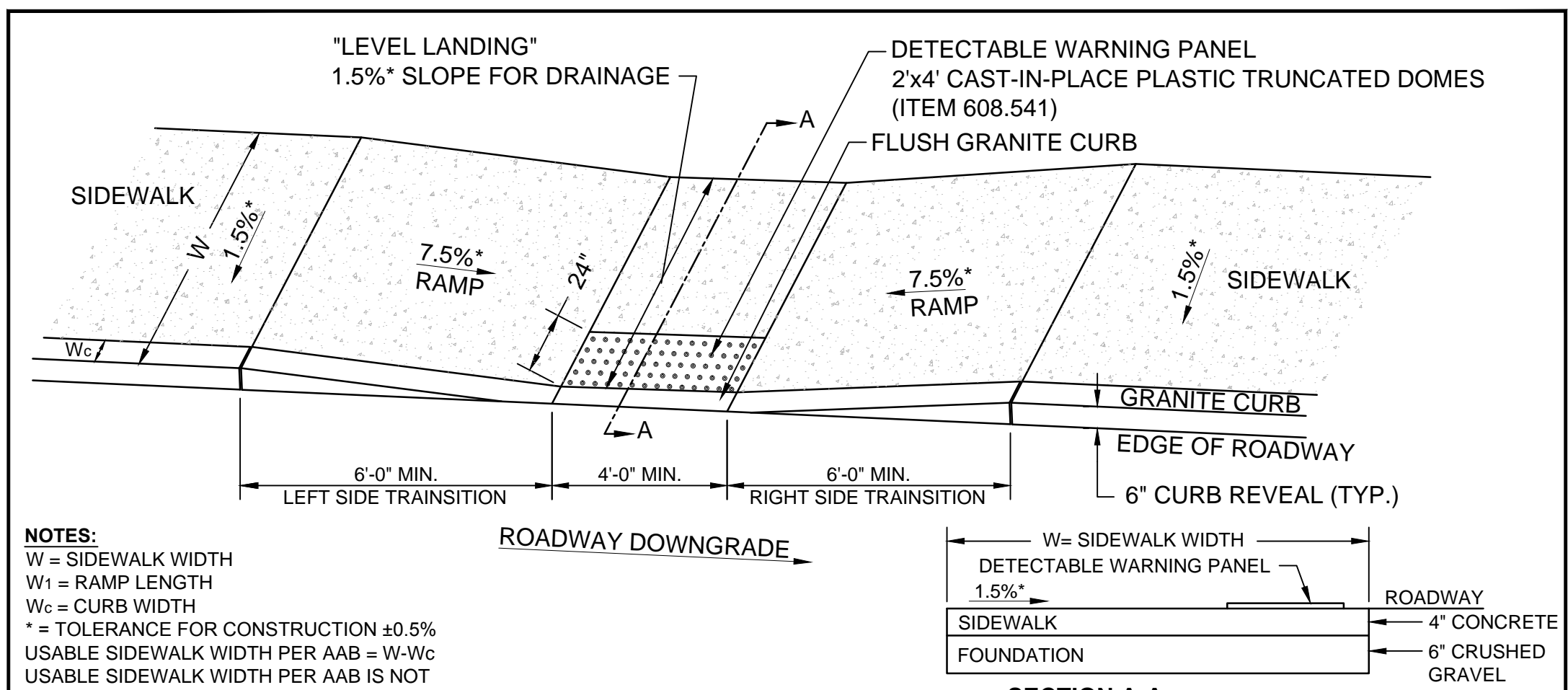


VERTICAL GRANITE CURB, BRICK & SIDEWALK DETAIL
SCALE: 1" = 1'-0"

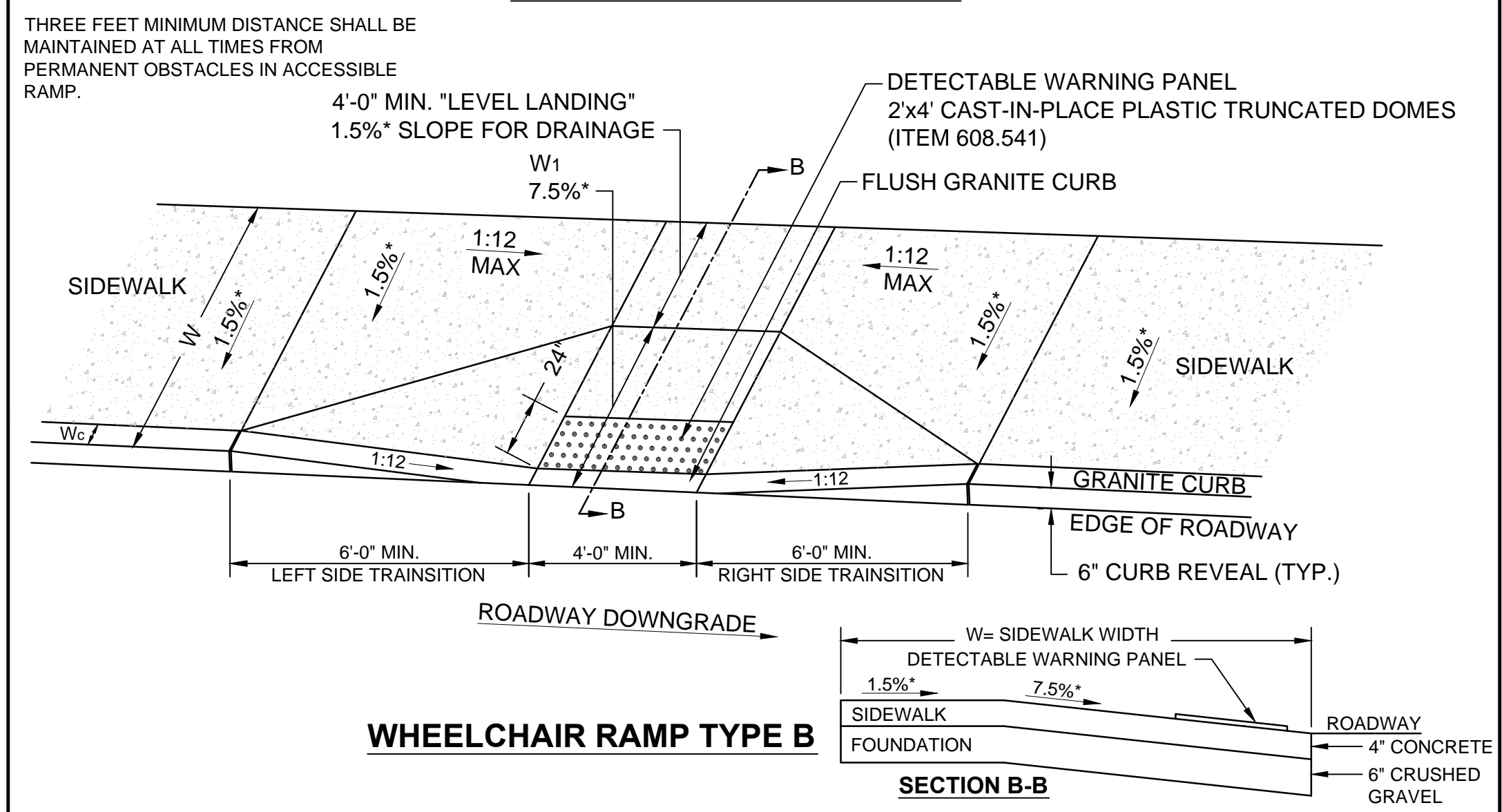


INLET SEDIMENT CONTROL DEVICE - SILT SACK (SUB. TO 604.12)
SCALE: NOT TO SCALE

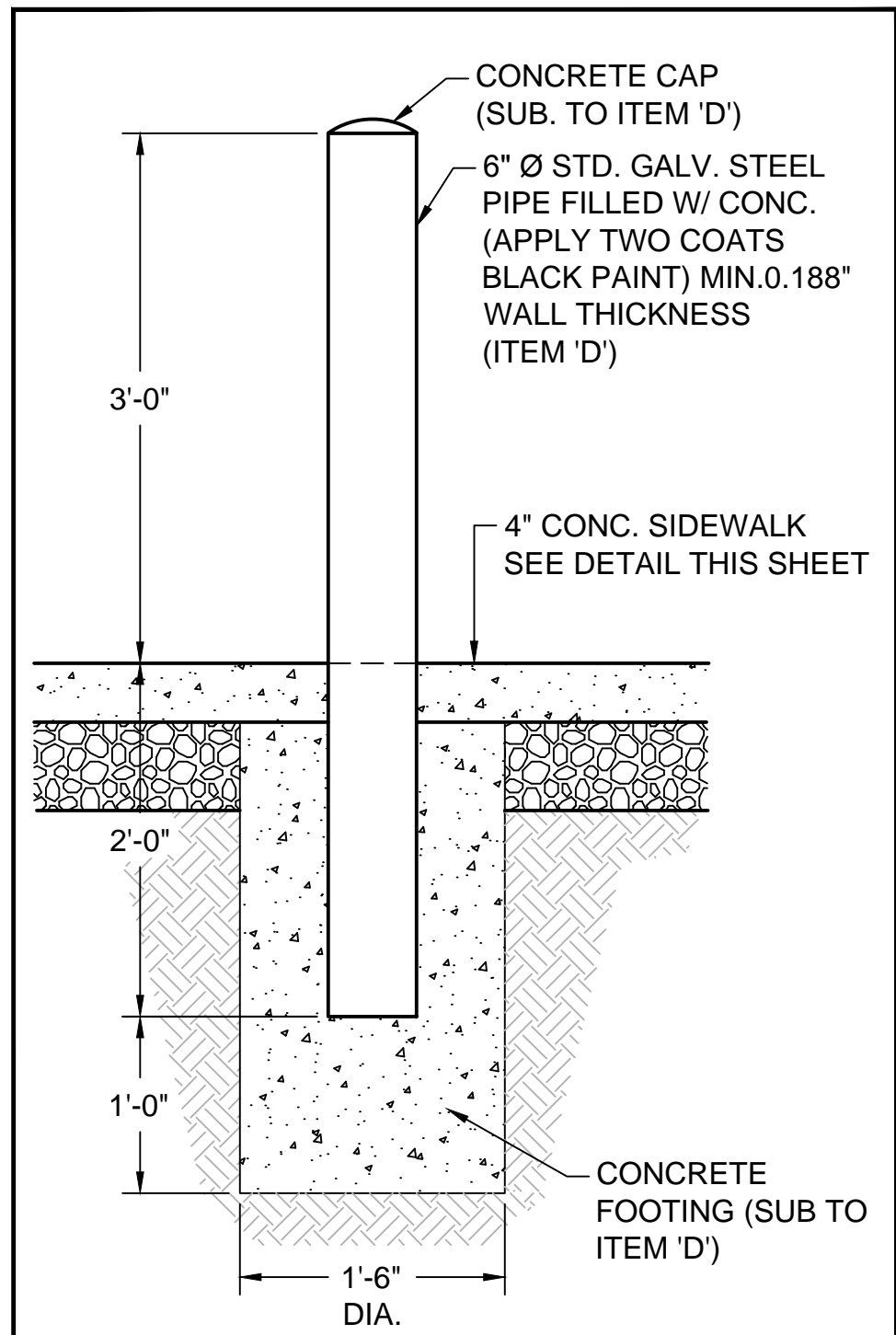
- NOTES:**
- THE DIMENSION CHART BELOW IS FOR STANDARD CATCH BASINS AND INLETS ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE CORRECT SIZE DEVICE FOR EACH INLET.
 - FOR NON-STANDARD CATCH BASINS AND INLETS, THE CONTRACTOR SHALL MEASURE DIMENSIONS IN THE FIELD AND ORDER THE APPROPRIATE SIZE(S).
 - THE INLET SEDIMENT CONTROL DEVICE SHALL BE OF HIGH FLOW DESIGN (200 GAL/MIN/FT), AS PER THE MANUFACTURER'S SPECS.
 - THE SEDIMENT CONTROL DEVICE SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED A MINIMUM ONCE PER MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT. FILTER SHALL BE CLEANED IN A MANNER WHICH ENSURES THAT ALL SEDIMENT REMAINS ON SITE.
 - SUBSTITUTION OF A SHEET OF FILTER FABRIC PLACED OVER THE OPENING OF THE INLET IS NOT APPROVED.
 - RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS, SIZE OF FILTER INLET SACK TO BE DETERMINED BY MANUFACTURER.
 - THE FILTER SHALL BE REPLACED OR CLEANED WHEN THE BAG BECOMES HALF FULL.



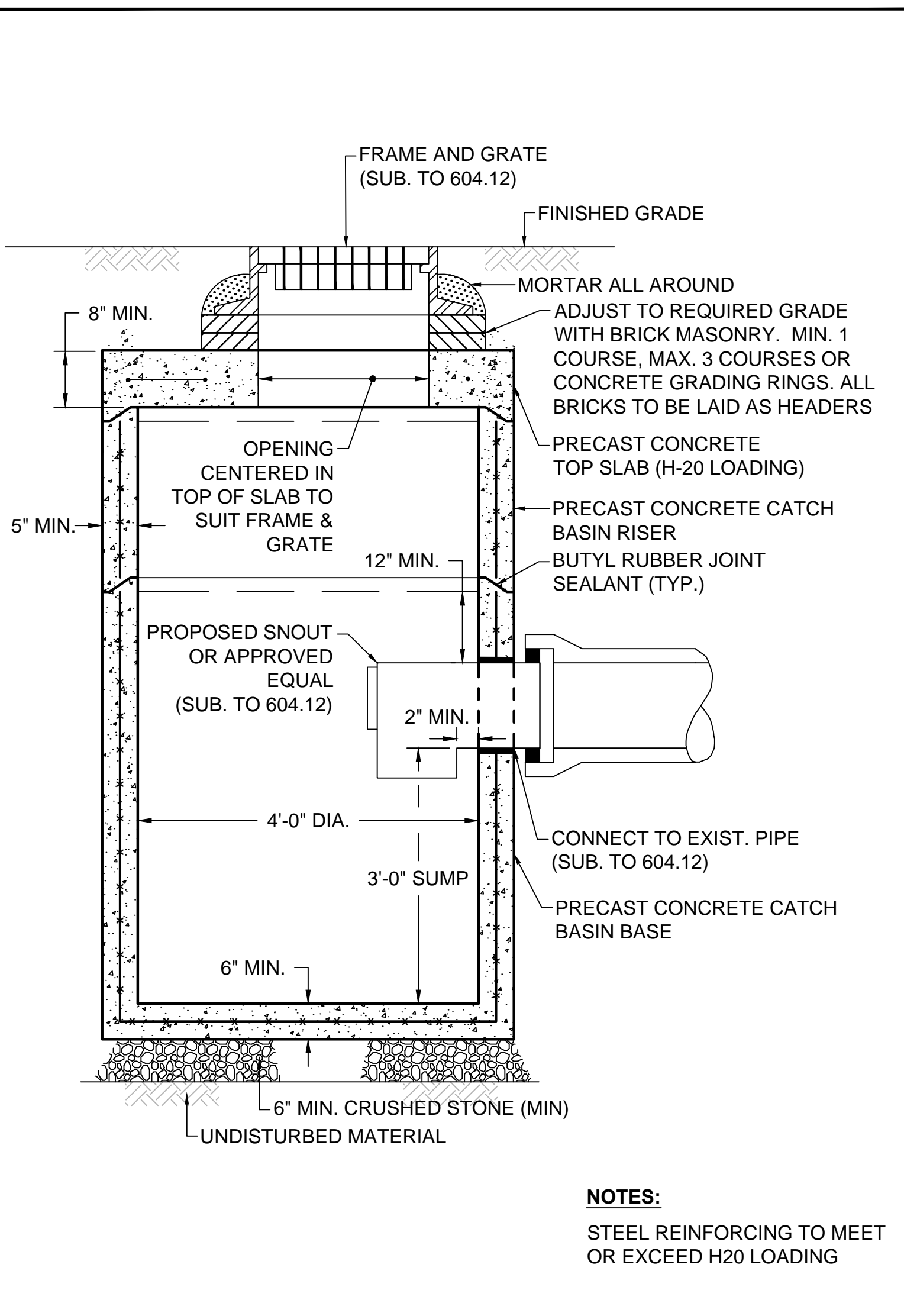
WHEELCHAIR RAMP TYPE A



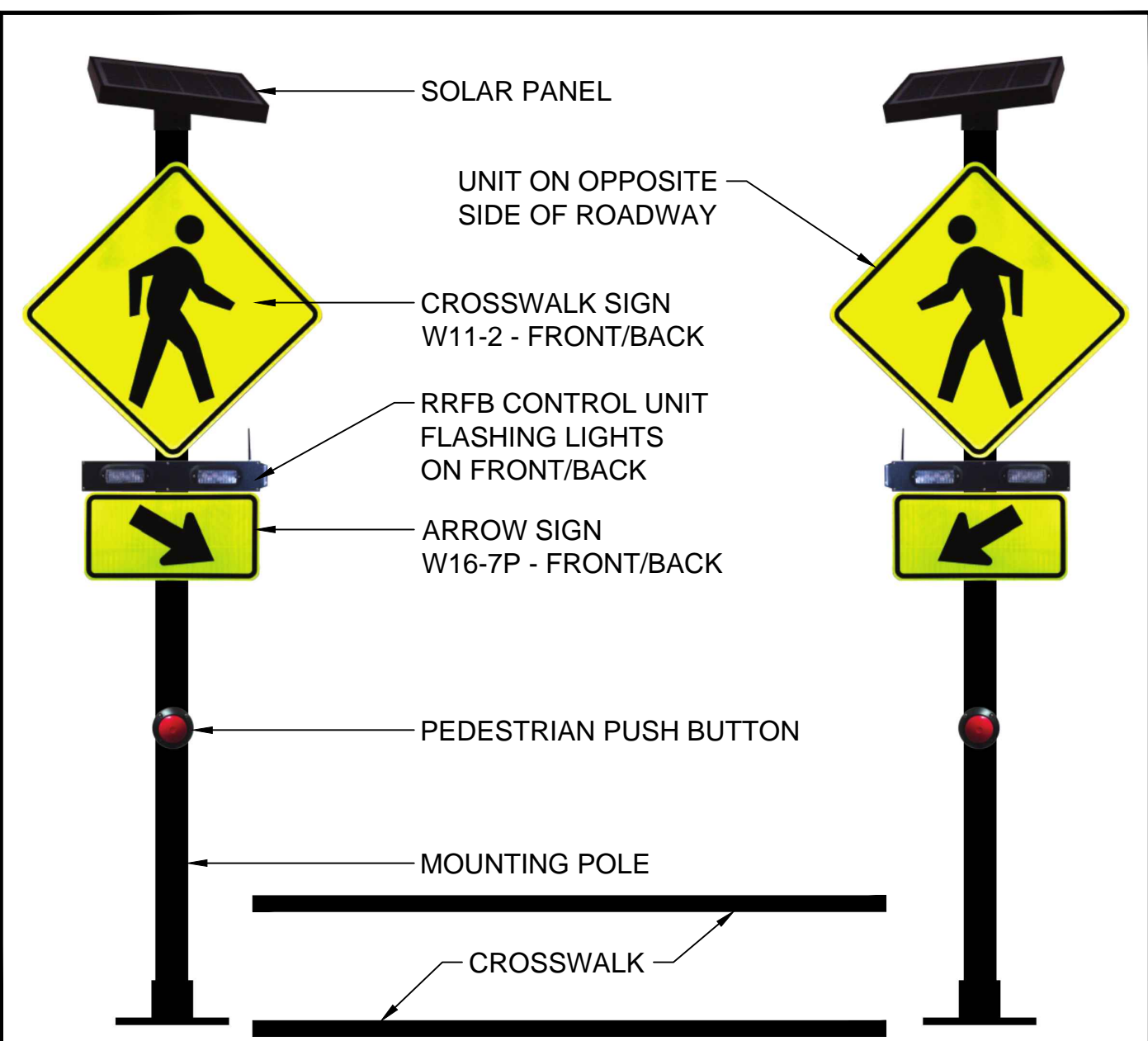
WHEELCHAIR RAMP DETAILS
SCALE: NOT TO SCALE



BOLLARD DETAIL (ITEM 'D')
SCALE: 1" = 1'-0"



PRECAST CATCH BASIN DETAIL
SCALE: NOT TO SCALE



RETANGULAR RAPID FLASHING BEACON (RRFB)
SCALE: NOT TO SCALE

- NOTES:**
- EXPOSED EARTHWORK SHALL BE CONFINED TO AS LIMITED AN AREA AS IS PRACTICAL AT ANY GIVEN TIME THROUGHOUT THE CONSTRUCTION SEQUENCE. AT NO TIME SHALL MORE THAN ONE HALF ACRE OF SITE AREA BE IN AN UNSTABLE CONDITION. NO GIVEN AREA OF THE SITE SHALL BE LEFT IN AN UNSTABILIZED CONDITION FOR A PERIOD OF TIME EXCEEDING FIVE CALENDAR DAYS.
 - TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH PROJECT PLANS. IN ADDITION, SIMILAR MEASURES SHALL BE INSTALLED WHERE AND WHEN THE FIELD CONDITION, OR FIELD OPERATION OF OF THE INDIVIDUAL SITE CONTRACTOR MAY WARRANT. ALL TEMPORARY EROSION CONTROL MEASURES USED SHALL BE PERIODICALLY INSPECTED, CLEANED AND MAINTAINED AND OTHERWISE KEPT IN AN EFFECTIVE OPERATIONS MANNER THROUGHOUT THE CONSTRUCTION PERIOD.
 - DUST SHALL BE CONTROLLED BY THE USE OF WATER AS NECESSARY THROUGHOUT THE CONSTRUCTION PERIOD.
 - IN NO WAY ARE THOSE TEMPORARY EROSION CONTROL MEASURES INDICATED ON THESE PLANS TO BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR SHALL USE JUDGMENT IN INSTALLING SUPPLEMENTARY EROSION CONTROL MEASURES WHERE AND WHEN SPECIFIC SITE CONDITIONS AND/OR CONSTRUCTION METHODOLOGIES MAY WARRANT.

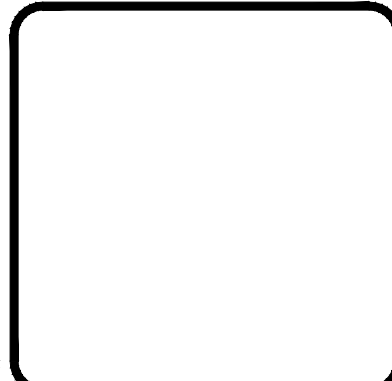
EROSION CONTROL NOTES
SCALE: NOT TO SCALE



CITY OF NASHUA NEW HAMPSHIRE
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9 RIVERSIDE STREET
NASHUA, NEW HAMPSHIRE 03062

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SCALE AS NOTED				
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NASHUA, NEW HAMPSHIRE
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MANCHESTER & CONCORD STREET
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DETAIL SHEET
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SHEET
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